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TITLE: PRINTING INK BINDER

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ABSTRACT

PURPOSE: The title binder capable of giving quick drying inks free from causing misting, in printing comprising a resin-modified phenolic resin obtained by reacting rosins with a higher aliphatic polybasic acid (or anhydride), a phenolic resin (or raw materials), and a polyhydric alcohol, as an active constituent.

CONSTITUTION: A printing ink binder comprising a resin-modified phenolic resin, obtained by reacting (a) 100 parts by wt. of rosins, e.g. gum or wood rosin, with (b) 10sim;20 parts by wt. of a 10sim;50C higher aliphatic polybasic acid or its anhydride, (c) 10sim;10 parts by wt. of a phenolic resin or its raw materials, e.g. cresol or acetaldehyde, and (d) a polyhydric alcohol in an amount to give 0.6sim;1.2 equivalents of hydroxyl groups in (d) per the total carboxyl groups in (a) and (b) under heating, as an active constituent.

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